




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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,440	07/09/2003	Avinash M. Tekawade	2003P09285US	9160
7590 04/15/2004			EXAMINER	
Siemens Corporation Intellectual Property Department 170 Wood Avenue South Iselin, NJ 08830			LAM, THANH	
			ART UNIT	PAPER NUMBER
			2834	
DATE MAILED: 04/15/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/616,440	TEKAWADE, AVINASH M.	
	Examiner	Art Unit	
	Thanh Lam	2834	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Baer et al. (US 6,657,330).

Baer et al. (see figs. 1-6) disclose a dynamoelectric machine comprising: a rotor and a stator surrounding said rotor, said rotor comprising rotor windings (14) defining at least one pair of first and second rotor winding ends arranged in spaced relation, and at least one rotor winding series connector connecting said at least one pair of first and second rotor winding ends together in series and comprising a C-shaped connector body having a medial connector portion and respective first and second end connector portions extending outwardly therefrom, and first and second connector brackets (see diamond sign of the header 12 where winding connector 14 are connected) carried by the respective first and second end connector portions and receiving the respective first and second rotor winding ends therein.

Regarding claim 2, Baer et al. disclose at least one pair of first and second rotor winding ends comprises a plurality of first rotor winding ends arranged in stacked relation and a plurality of second rotor winding ends arranged in stacked relation, and wherein said at least one rotor

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winding series connector comprises a corresponding plurality thereof with one rotor winding series connector for each pair of first and second rotor winding ends.

Regarding claim 3, Baer et al. disclose successive pairs of said plurality of first and second rotor winding ends define progressively increasing spacings therebetween; and wherein successive ones of said plurality of rotor winding series connectors have respective medial connector portions having progressively increasing lengths to correspond to the progressively increasing spacings.

Regarding claim 4, Baer et al. disclose insulating material between adjacent ones of said plurality of first rotor end windings, between adjacent ones of said plurality of second rotor end windings, and between adjacent ones of said plurality of rotor winding series connectors.

Regarding claim 5, Baer et al. disclose said C-shaped connector body comprises a flexible conductive material.

Regarding claim 6, Baer et al. disclose said flexible conductive material comprises a plurality of stacked metal layers.

Regarding claim 7, Baer et al. disclose each of said stacked metal layers comprises copper.

Regarding claim 8, Baer et al. disclose said at least one rotor winding series connector further comprises insulating material adjacent outer surface portions of at least one of said C-shaped connector body and said first and second connector brackets.

Regarding claim 9, Baer et al. disclose said at least one rotor winding series connector further comprises a respective brazed joint between said C-shaped connector body and adjacent portions of said first and second rotor winding ends.

Regarding claim 10, Baer et al. disclose each of said first and second connector brackets has an L-shape with a first leg extending outwardly from adjacent portions of said respective first and second end connector portions of said C-shaped connector body and a second leg extending generally parallel thereto.

Regarding claim 11, Baer et al. disclose each rotor winding comprises a metallic bar conductor.

Regarding claim 12, Baer et al. (figs. 1-6) disclose a rotor winding series connector for a dynamoelectric machine comprising a rotor and a stator surrounding the rotor, the rotor comprising rotor windings defining at least one pair of first and second rotor winding ends (14) arranged in spaced relation, the rotor winding series connector comprising: a C-shaped connector body comprising flexible conductive material arranged in a plurality of stacked layers (shown 14 of fig. 1A) to define a medial connector portion and respective first and second end connector portions extending outwardly therefrom, and first and second connector brackets (see diamond sign of the header 12 where winding connector 14 are connected) carried by the respective first and second end connector portions and for receiving the respective first and second rotor winding ends therein.

Regarding claim 13, Baer et al. disclose insulating material adjacent outer surface portions of at least one of said C-shaped connector body and said first and second connector brackets.

Regarding claim 14, Baer et al. disclose said C-shaped connector body comprises copper.

Regarding claim 15, Baer et al. disclose each of said first and second connector brackets has an L-shape with a first leg extending outwardly from adjacent portions of said respective first

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and second end connector portions of said C-shaped connector body and a second leg extending generally parallel thereto.

Regarding claim 16, Baer et al. disclose generator apparatus comprising a shaft; a generator rotor carried by said shaft (18), and a generator stator surrounding said generator rotor, an exciter rotor carried by said shaft, and an exciter stator surrounding said exciter rotor; said exciter rotor comprising rotor windings defining at least one pair of first and second rotor winding ends (14) arranged in spaced relation, and at least one rotor winding series connector connecting said at least one pair of first and second rotor winding ends together in series and comprising a C-shaped connector body having a medial connector portion and respective first and second end connector portions extending outwardly therefrom, and first and second connector brackets (see diamond sign of the header 12 where winding connector 14 are connected) carried by the respective first and second end connector portions and receiving respective first and second rotor winding ends therein.

Regarding claim 17, Baer et al. disclose at least one pair of first and second rotor winding ends comprises a plurality of first rotor winding ends arranged in stacked relation and a plurality of second rotor winding ends arranged in stacked relation; and wherein said at least one rotor winding series connector comprises a corresponding plurality thereof with one rotor winding series connector for each pair of first and second rotor winding ends.

Regarding claim 18, Baer et al. disclose said plurality of first and second rotor winding ends define progressively increasing spacings therebetween; and wherein said plurality of rotor winding series connectors have respective medial connector portions having progressively increasing lengths to correspond to the progressively increasing spacings.

Regarding claim 19, Baer et al. disclose comprising insulating material between adjacent ones of said plurality of first rotor end windings, between adjacent ones of said plurality of second rotor end windings, and between adjacent ones of said plurality of rotor winding series connectors.

Regarding claim 20, Baer et al. disclose said C-shaped connector body comprises a flexible conductive material.

Regarding claim 21, Baer et al. disclose said flexible conductive material comprises a plurality of stacked metal layers.

Regarding claim 22, Baer et al. disclose each of said stacked metal layers comprises copper.

Regarding claim 23, Baer et al. disclose said at least one rotor winding series connector further comprises insulating material adjacent outer surface portions of at least one of said C-shaped connector body and said first and second connector brackets.

Regarding claim 24, Baer et al. disclose said at least one rotor winding series connector further comprises a respective brazed joint between said C-shaped body and adjacent portions of said first and second rotor winding ends.

Regarding claim 25, Baer et al. disclose each of said first and second connector brackets has an L-shape with a first leg extending outwardly from adjacent portions of said respective first and second end connector portions of said C-shaped connector body and a second leg extending generally parallel thereto.


Regarding claim 26-28, the method therein is given by apparatus of Baer et al.

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Lam whose telephone number is (571) 272-2026. The examiner can normally be reached on m-f 9-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren E Schuberg can be reached on (571) 272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Thanh Lam
Primary Examiner
Art Unit 2834